Department of Natural Resources and Environemtal Control Continuing Education Training for On-Site Licensees Ground Water Discharges Section A B C D E F H**CourseName** Hours (800) 821-6710 ADS www.ads-pipe.com 4640 Trueman Boulevard Hilliard ОН 43026-Seminar Featuring Polypropylene Pipe 1.0 (800) 348-9843 **AdvanTex Treatment Systems** www.orenco.com 814 Airway Avenue Suthlin OR 97479-AdvanTex Treatment Systemms 6 (877) 241-9858 **Approved Environmental Inc. (On-Line Courses)** www.approvedce.com 2346 S Lynhurst Dr, Ste B105E Indianapolis IN 46241-Activated Sludge I 1 1 Activated Sludge II **Advanced Mathematics** Aerobic and Anaerobic Sludge Digestion 1 Air Stripping and Carbon Absorption 1 Ammonia, pH and Chlorine 1

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Some courses may no longer be available; please contact the course sponsor for availability.

Please note that this list includes all courses that have been reviewed by the On-Site Systems Advisory Board since the Regulation revision on March 11, 2002.

Friday, February 24, 2017 Page 1 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Basic Mathematics	1	
Biochemical Oxygen Demand Concept & Treatment	1.0	
Biological Nitrogen Removal	1	
BOD, DO and COD	1	
Clarifiers Optimization	1.0	
Disinfection by Chlorine	1.0	
Filtration	1	
Final Effluent I	1	
Final Effluent II	1	
Industrial Waste Treatment I	1	
Industrial Waste Treatment II	1	
Laboratory Procedures for Plant Control	1	
Laboratory Terms, Equipment and Sampling	1	
Maintenance II/Pumps	1.0	
Membrane Technology	1.0	
Multiple Choice Questions	1	
Odor Control	1.0	

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Friday, February 24, 2017

Page 2 of 45

<u>CourseName</u>	<u>Hours</u>	\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}
Operation and Control of a Wastewater Treatment Plant	1.0	
Oxidation Ditches	1	
Ozone Disinfection	1.0	
Package Plants	1	
Parasites & Pathogens	1.0	
Primary Treatment	1	
Removing Metals from Wastewater	1	
Safety	1	
Septic Systems and Their Maintenance	1	
Sequencing Batch Reactors (SBR's)	1	
Settleability & Loss of Solids	1.0	
Sludge Stabilization Verses Sludge Conditioning	1	
Solids Dewatering	1	
Solids Handling Alternative	1	
The Microlife	1.0	
Trickling Filters and RBCs	1	
UV Disinfection	1.0	

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Friday, February 24, 2017

Page 3 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Wastewater Mathematics I	1	
Wastewater Mathematics II	1	
Wastewater Preliminary Treatment	1	
Approved for all instructors		
CPR and Basic First Aid	TBD	
Defensive Driving	TBD	
Hazard Communication	1	
OSHA 10 Hour	10	
OSHA 30-hr Construction Industry Training Program	30	
Personal Protective Equipment	TBD	
Aqua-Aerobic Systems, Inc. 6306 N. Alpine Road Rockford IL 61111-	(815) 654- www.aqua	2501 -aerobic.com
CEU Leaf LLC	http://www.	.ceuleaf.com/ethics
DE	11tp.// www	

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Friday, February 24, 2017

Page 4 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Engineering Ethics 101 with Lecture	1	
Class E Applicants courses approved for Class E applicants DE		
Basic Electrical Theory & Fundamentals (PDH Online) www.pdhonline.org	4	
Basic Electricity for Operators (Del-Tech Owens)	7	
Basic Electricity for Wastewater & Water Operators (Polytech Adult Education)	6	
Stam Interactive - Basic Electricity Online Training Course (staminteractive.com)	6	
Western Electrical Contractors Association (Basic Fundamentals & Electricity Online) www.goweca.com	8	
Class H Applicants courses approved for Class H applicants DE		
Class H License Prep Course (DelTech-Owens)	7	
Inspection of Onsite WW Systems (DelTech-Owens)	7	
NAWT Inspection Certification Course	8	
NAWT On-Site Sewage Treatment System Insp, Training, & Certification Course	12	
On-Site License Preparation Course (H)	21	
PSMA Inspecting Onsite WW Treatment Systems	16.25	
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Friday, February 24, 2017

Page 5 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$	
PSMA Onsite WW Treatment System Insp Training Program	16		
Contech Eng Solutions LLC	MANAY COD	techES.com	
DE	www.com	REGILS.COM	
An Energy Cost Comparison - Vacuum & Gravity Sewer Systems (Webcast)	1.0		
Practical Consideratin Related to the Use of Alternattive Backfill Materials (Webcast)	1.0		
Course is Not Approved			
2009 H1N1 Flu	0		
21st Century Drinking Water Corrosion Control			
24 Hour EMT-Basic Refresher	0		
8 Hour HAZWOPER Supervisor Training			
Aeration	0		
Algebra for Eng - Method of Least Squares Part 1: Fundamentals (RedVector)			
Algebra for Eng & Others - Inductive Reasoning & Mathematical Induction (RedVector)			
Algebra for Eng Method of Least Squares Part 2: Curve Fitting with the Linear Model (RedVector)			
Algebra for Eng. & Others - Numbers (RedVector)			
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Friday, February 24, 2017

Page 6 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Algebra Method of Least Squares Part 3: Exponential & Power Functions (RedVector)		
Annual Operating Budgets From Scratch	0	
Approved Sampler/Tester Training (DHSS)		
Approved Sampler/Tester Training Course (DE Rural Water Assoc)		
Asbestos Abatement Awareness		
ASSE National Backflow Prevention Assembly Tester Certification		
Asset Management Program Basics	0	
Bacteriological Sampling Procedures	0	
Base Level Water Operators Course		
Basic Coating Fundamentals and Surface Preparation	0	
Basic Level Water Operators Course	0	
BDMS as a Management Tool	0	
BDMS Workshop	0.0	
Bearings and Lubrication		
Biosolids Responsibility and Introduction to BDMS, V.4	0	
Bypass Pumping		
Capital Improvements Planning and Long Term Water and Sewer Capacity	0	

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Friday, February 24, 2017

Page 7 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Certified Backflow Prevention Technican		
Chasing the Thermal Demons from the Process		
Chemistry I/Water Chemistry		
Chemistry II/The Periodic Table		
Chemistry Refresher for Water/Wastewater Operators		
Compost Facility Operator Training Course		
Composting Basics	0	
Corrosion Control	0	
Creating a Successful Asset Mgmt Program Onlinse Course		
Cross-Connection Control Awareness		
Design of Drywells		
Design of Sand Filters & Bioretention Systems		
Design of Small Water Systems (RedVector)		
Designing Permanent Erosion and Sediment Control Systems		
Digital Reporting and BDMS Updates, V.4	0	
Disinfection	0	
Drinking Water Production		
Please note that this list includes all courses that have been reviewed by the O	n_Site Systems Advisory Roard	since the Regulation revision on March 11, 2002
Thouse note that ans list includes an courses that have been reviewed by the O	ii bite bysteins ridvisory Doard	since the regulation revision on March 11, 2002.

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Friday, February 24, 2017

Page 8 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
Drinking Water Sampling Seminar		
Effective Water Distribution System Flushing	0	
Emergency Response Planning		
Energy Conservation For Water/Wastewater Systems	0	
Environmental and Health in Developing Countries		
Fall Hazard Protection		
Financial Sustainability for Small Systems		
Fire Hydrant Operation and Maintenance	0	
Five Common Sense Practices for Beter W/WW Ops		
Flagger Certification Course		
Fundamental Processes in WW Treatment		
Generators/Engines & Emergency Power		
Ground Water and Wells		
Haz Mat Tech Review	0	
Hazardous Waste Operations and Emergency Response in requirement of OSHA 1910.120(q)		
HAZWOPER (40-hr & refresher)		
HIPPA Privacy Training	0	
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Friday, February 24, 2017

Page 9 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
How to Prepare Your Water System for a Sanitary Survey	0	
Hydrant O&M (DE Rural Water Assoc)		
Intermediate Excel for Operators		
Intro to Cross Connection Control (Part I & II)		
Intro to OSHA Training		
Intro to Stormwater Best Mgmt Practices		
Introduction to Drilling Fluids	0	
Introduction to Sampling / Distribution Monitoring (DE Rural Water Assoc)		
Iron Removal Technologies		
Lagoon Operations and Troubleshooting I	0	
Lead Hazard Awareness		
LMI Pump Application and Repair	0	
Maintenance I/Boiler Feed Water		
Making Your Utility Sustainable		
Mathematics 1 - Algebra (RedVector)		
Meter Applications, Sizing and Maintenance		
Mgt Systems Approach to Improve Water & WW Fac Ops		

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Friday, February 24, 2017

Page 10 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
Microscopes (DE Rural Water Assoc)		
NCPPA - 2012 Amendments		
NCPPA - Business Insurance		
NCPPA - Wells Seals & Sanitizing		
Net Etiquette for Operators		
NIMS & ICS		
NPDES Compliance Training		
Nutrient Management Continuing Education		
O&M of Chemical Feed Pumps		
O&M of Hydrants and Valves		
O&M of Solar Energy Systems for Operators		
On-Scene Incident Commander Training in Compliance with 1910.120(q)		
Operation, Calibration & Performance Verification of CL & Turbidity Process Analyzers		
OSHA Laboratory Safety		
Planning for System Sustainability		
Plastic Pipes & Infusion Technology		
Pressure Filtration & Adsorption		
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Friday, February 24, 2017

Page 11 of 45

<u>CourseName</u>	<u>Hours</u>	\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}
Preventative and Predictive Maintenance of Water and Wastewater Treatment Systems	0	
Pump Fundamentals for Well Drillers	0	
Reverse Osmosis and Flouride	0	
Review of Automatic Sampling & Open Channel Flow Tech		
Sanitary Survey Series (videos)		
SDWA and Compliance Planning	0	
Selecting and Using Mechanical Lubricants	0	
Simple, Low-Cost, Small-System Distribution Monitoring (DE Rural Water Assoc)		
Simplified Water Analysis (DE Rural Water Assoc)		
State WW Exam Hurrican Review		
Sustainable Asset Management		
Team Building		
Team Building		
Ten Little-Known Water/Wastewater Operators' Secrets	0	
Test Methods for Water/Wastewater Operators	0	
Train the Trainer	0	
True Confessions of a Water/WW Operator		

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Friday, February 24, 2017

Page 12 of 45

<u>CourseName</u>	Hours	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Utility Rate Setting and Design	0	
Very Small Water System Operator Training		
Waste Disposal Management		
Wastewater Operators' Legal Risks/Responsibilties		
Water & Wastewater Math 101	0	
Water Fluoridation		
Water Operator Certification Disinfection Course		
Water Operator Certification Distribution Course	0	
Water Operator Chemical Feed Endorsement Course for Flouride, lime, PH Adjustment and Inhibitors	0	
Water Operator Filtration Endorsement Course for: Sand/Greensand Filtration, Reverse Osmosis, Ion	0	
Water Operator Surface Water Endorsement Course		
Water Security/Train the Trainer Program		
Water Supply Hydrology, Sources And Water Conservation	0	
Water System Security & Toxicity Concerns		
Water Treatment	1	
Water Treatment	0	

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Friday, February 24, 2017

Page 13 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$	
Water Treatment Filters			
Water/Wastewater Operations For Elected/Appointed Public Officials	0		
Well Construction Techniques	0		
Well System Operation and Maintenance	0		
DE State Fire School			
Dover DE			
Law Enforecement Medical Responder	8		
Del Tech Owens Compus	(302) 855-5	5904	
Del Tech - Owens Campus PO Box 610 Georgetown DE 19947-		du/owens/ccp	
PO Box 610			
PO Box 610 Georgetown DE 19947-	www.dtcc.e	du/owens/ccp	
PO Box 610 Georgetown DE 19947- 10 Hour General Industry OSHA Course	www.dtcc.e	edu/owens/ccp	
PO Box 610 Georgetown DE 19947- 10 Hour General Industry OSHA Course 21st Century Membrane Technology	www.dtcc.e	edu/owens/ccp	
PO Box 610 Georgetown DE 19947- 10 Hour General Industry OSHA Course 21st Century Membrane Technology 21st Century Ultra Violet Disinfection	10 7 7.0	adu/owens/ccp v v v v v v v v v v v v v v v v v v	
PO Box 610 Georgetown DE 19947- 10 Hour General Industry OSHA Course 21st Century Membrane Technology 21st Century Ultra Violet Disinfection 245 Valves	www.dtcc.e 10 7 7.0 7	adu/owens/ccp v v v v v v v v v v v v v v v v v v v v v v v v v v v v v v v v v	
PO Box 610 Georgetown DE 19947- 10 Hour General Industry OSHA Course 21st Century Membrane Technology 21st Century Ultra Violet Disinfection 245 Valves Access 2003 Module I for Operators	www.dtcc.e 10 7 7.0 7 12	adu/owens/ccp v v v v v v v v v v v v v v v v v v	

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Friday, February 24, 2017

Page 14 of 45

<u>CourseName</u>	Hours	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Activated Sludge Process Control	7	
Activated Sludge Process Control	8	
Activated Sludge: Filamentous Organisms and Lab	14	
Activated Sludge: Settleability Problems & Loss of Solids & Filamentous Organisms	6	
Aggregate Free Alternatives for On-Site Disposal Systems	4	
Agricultural Utilization of Biosolids and Other Land Treatable Wastes	7	
Alkalinity and Redox: The 21st Century Monitoring Tools for Water and Wastewater Process Control	6	
Alternative Energy Sources for Water & WW Facilities	7	
Alternative Treatments and Disposal Options for Wastewater Facilities	4	
Anaerobic Digesters	7	
Anaerobic Digesters	7	
Applications of Membrace Technology	4	
Basic Electricity for Operators	7	
Basic Instrumentation & Process Control	7	
Basic Laboratory Processes for W/WW Sampling	7	
Basic Microscopy for Wastewater Operators	7	
Basic Onsite Installer Training	7	

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Friday, February 24, 2017

Page 15 of 45

<u>CourseName</u>	<u>Hours</u>	\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}
Basic Principles of On-Site Pumping Systems	3	
Basic Surveying Principles	7	
Basics of Portable Rest Room Operation & Management	6	
Biological Nutrient Removal	7	
Biological Nutrient Removal	6.0	
Biological Nutrient Removal	7	
Biological Nutrient Removal to Enhanced Nitrient Removal	7	
Biosolids Responsibility	7	
BOD, Metabolism, ORP & Sludge Production & Troubleshooting the SBR	6	
Care and Feeding of Septic Systems	3.5	
Certified Env Trainer Workshop NESHTA	10.0	
Chasing the Thermal Demons	7	
Chemical Treatment	7	
Chlorination Disinfection Science	7	
Chlorination Technology	7	
Chlorination Technology	7	
Chlorination Technology Online Course	8	

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Friday, February 24, 2017

Page 16 of 45

<u>CourseName</u>	<u>Hours</u>	\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}
Class B Designers On-Site License Prep Course	3	
Class F Wastehaulers On-Site License Prep Course	3	
Class F Wastehauler's Reporting Made Easy	1.0	
Class H Lic Exam Prep Course Insp of Onsite WW Systems	7	
Class I Inspector's Preparation Course	7.0	
Climate Change: Preparing for Sea Level Rise	3	
CMOM Compliance Techniques	7	
Collection System Impacts on Treatment Plant Performance	7	
Collection System Troubleshooting	7	
Collection Systems Short Course	14	
Communication Skills & Conflict Resolution Strategies for Operators	7	
Computers for Operators	7	
Computers II for Operators	9	
Confined Space Entry	7	
Customer Relations for Septic Pumpers	7	
Daily Plant Operations	7	
Defensive Driving for CDL-Class B Licensees	4	

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Friday, February 24, 2017

Page 17 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Delaware's Hydrogeology and the Fossils and Rocks of the Mid-Atlantic	7	
Design, Operation & Maintenance of Septic Systems (On-Site Systems)	7	
Designing Drip Dispersal (Irrigation) Onsite Systems	7.0	
Disinfection Operators for Water and Wastewater Systems	14	
DOT Regs Review for Pumpers	3.0	
DOT Regulations Review for Onsite & Wastewater Professionals	3	
Electric Blueprint Reading For Operators	7	
Electrical Blueprint Reading for Operators	4	
Electrical Safety & NFPA 70E	7.0	
Electrical Troubleshooting for Operators	7	
E-Mail Basics for Operators	3	
Enhanced Nutrient Removal - Process Control	14	
Environmental Bootcamp		
Ethics in Engineering Online Course	3	
Excavation Safety	6	
Excel 2003 Module I for Operators	12	
Excel 2003 Module II for Operators	12	

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Friday, February 24, 2017

Page 18 of 45

<u>CourseName</u>	<u>Hours</u>	\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}
Filtration Systems for Municipal, Industrial & Irrigation	3.0	
Five Common Sense Practices for Better W/WW Operations	7	
Fundamental Processes in Wastewater Treatment	7	
Fundamental Processes in Wastewater Treatment	7	
Fundamentals of Power Generation	7.0	
Fundamentals of Septic Filtration and Step Systems	7	
Fusion and Application of HDP Pipe	6	
Geographic Info Systems Using ARC View	7	
Getting the Most Out of Your Treatment & Storage Lagoon	3.0	
Global Positioning Systems	7	
How to Prevent a Catastophic Event in your Water/Wastewater System	7	
Hydraulics and Hydrology	48	
Hydraulics Workshop for Operators	16	
Industrial Waste Treatment	7	
Innovative & Alternative On-Site Systems	7.0	
Innovative and Alternative Onsite Systems Online Course	8	
Inspection of Onsite Wastewater Systems	7	

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Friday, February 24, 2017

Page 19 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Instrumentation and Pumping	48	
Integrating Water Resourcs in Resouce Based Environmental Design	4	
Intermediate Excel	7	
Intermediate Surveying EYI 964	7	
Intro to Auto CAD		
Intro to Computers I for Operators	9	
Intro to Computers II for Operators	9	
Intro to SCADA	7	
Intro to SCADA	7.0	
Intro to Variable Frequency Drives	7.0	
Intro to Variable Frequency Drives (VFD)	7	
Introduction to Environmental Science & Technology	48	
Introduction to Mapping and GIS for Operators	7.0	
Iron and Manganese Removal	8	
Lagoon Treatment & Spray Irrigation of Treated WW	7	
Lift Stations	7	
Lockout-Tagout and Respiration Equipment	8	

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Friday, February 24, 2017

Page 20 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Managing Energy at Water & Wastewater Utilities	7	
Managing Fatty Waste in Collection Systems & Lift Stations	6	
Managing Side Stream Discharges	4	
Math Review for Water & Wastewater Operators	6	
Math Review for Water &Wastewater Operators	6	
Membrane Tech & App for Selective Pollutant Removal	7	
Microbiology and Basic Virology	6	
Microsoft Access Basics	12.0	
NFPA 70E 2015 Standard for Elec Safety in the Workplace	7.0	
Nitrification in Water/Wastewater Processes	7	
O&M of the American Mfg DRIP Irrigation System	3.0	
O&M of the Bio-Microbics FAST Treatment Unit	3.0	
O&M of the PuraFlo Peat Filter	3.0	
Obtaining Money From State Revolving Funds and the USDA	2.5	
On-Site 101	7.0	
Onsite Control Systems	7.0	
On-Site Disposal System Hydraulics	7.0	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 21 of 45

<u>CourseName</u>	<u>Hours</u>	\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}
On-Site License Preparation Course	21	
Onsite Regulations Review Online Course	4	
On-Site Regulations Revision Review	4.0	
On-Site Treatment Industry Training Program	12	
On-Site Wastewater Treatment & Disposal Systems	3.0	
Oper & Maint of Innovative & Alternative Systems	7.0	
Oper & Maint of On-Site Disposal Systems for Service Providers Workshop	14	
ORP: A Simplified Wastewater Process	7	
OSHA (1926) Construction Safety Course	12	
OSHA Hazard Communicaiton	4	
OSHA Injury and Illness Recordkeeping	8	
Performing Energy Audits for Water and Wastewater Systems	7	
Preparation for the Delaware Pump Installers and Well Drillers Exam	7	
Preparation for the State of Delaware Dewatering Exam	7	
Process Control	48	
Programmable Logic Controllers	36	
Pump Fundamentals for Well Drillers		

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 22 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Pump Hydraulics	7	
Pumping of Advanced Treatment Units	4	
Pumping Techniques for Standard Septic Tanks, Dosing Chambers & Advanced Treatment Systems	4	
Pumps, Motors and Controls	6	
Pumps: Installation, Maintenance & Repair	7	
Pumps: Motors and Controls	7	
Pumps: Motors and Controls Online Course	8	
Replacement On-Site Systems	4.0	
Risers, Baffles and Filters, Installation & Repair	4	
Risers, Baffles and Filters, Installation and Repair	4	
Safe Operation of Excavation Equipment	7	
Security for Small Water & Wastewater Systems	7	
Self-Priming Centrifugal Pumps	7	
Septage & Toxicity & Troubleshooting the Activated Sludge Process with a Microscope	6	
Sludge Digestion: Aerobic and Anaerobic	7	
Soils	7	
Soils-Based Approach to Siting WW Disposal	4.0	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 23 of 45

<u>CourseName</u>	<u>Hours</u>	\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}
Solids Handling	7	
Stormwater Management for Surveyors and Engineers	40	
Submersible Pumps	7.0	
Supervisory Safety Workshop	8	
Technical Report Writing for Operators & Other Personnel	4	
Ten Little Known W/WW Operators Secrets	7	
The FAQ's of Class H Inspections	4	
The Microlife	7	
Three-Phase A/C Power Workshop	7.0	
Time and Project Management	7	
Time Management and Internal Communications	7	
Tips and Tools for 21st Century Water / Wastewater Process Monitoring	6	
Tracking Water Movement thru Doppler & Transit Time Flow Meters	8.0	
Train the Trainer/Hazcom/Personal Protective Equipment	7	
Trenching and Shoring Safety	7	
Troubleshooting Pumps	7	
Troubleshooting Pumps	8	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 24 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Understanding Basic AC Control Equipment	7	
US EPA Groundwater Compliance Workshop		
Using Mobile GIS to Optimize Data Collection	7	
Using Mobile GIS to Optimize Data Collection	7.0	
Vacuum Truck Basics	4	
Vacuum Truck Basics	4	
Valves	7	
W/WW Sampling Techniques for Env Compliance	7	
Wastewater Microbiology and Microscopy	7	
Wastewater Operator Certification Review, Level I	48	
Wastewater Operator Certification Review, Level II and III	48	
Wastewater Operator Certification Review, Level IV	48	
Wastewater Systems and Solids Handling	64	
Water & Wastewater Math 101	14	
Water Source, Trans. & Distribution	48	
Water Sources	48	
Water Treatment and Chlorine Safety	7	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 25 of 45

<u>CourseName</u>	Hours	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
Water/Wastewater Process Design	48	
Watershed Management Plans: Analyzing Implementation and Reporting Requirements	4	
Watersheds and their Impact on the Environment	4	
Well Construction Techniques		
Well Drilling and Ground Water Studies in the First State	7	
Well Grouting Fundamentals		
Word 2003 Module I for Operators	12	
Word 2003 Module II for Operators	12	
Del Tech - Stanton Campus	(302) 453-3	3000
400 Stanton-Christiana Rd Newark DE 19713-	www.dtcc.e	edu
400 Stanton-Christiana Rd	www.dtcc.e	edu
400 Stanton-Christiana Rd	www.dtcc.e	
400 Stanton-Christiana Rd	www.dtcc.e	
400 Stanton-Christiana Rd	www.dtcc.e	
400 Stanton-Christiana Rd Newark DE 19713-		
400 Stanton-Christiana Rd Newark DE 19713- Surface Water Treatment	7	
400 Stanton-Christiana Rd Newark DE 19713- Surface Water Treatment Wastewater Operator Certification Review, Level I	7 48.0	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 26 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
Watershed and Their Impact on the Environment (Online Course)	4.0	
Del Tech - Terry Campus	(302) 857-140 www.dtcc.edu	
Dover DE 19901-		
Introduction to AutoCAD	6	
Math Review for Water & Wastewater Operators	6.0	
Math Review for Water & Wastewater Operators	6.0	
Delaware Rural Water Association 210 Vickers Drive Milford DE 19963-	(302) 424-379 www.drwa.org	
Accessing USDA Rural Development Funding	1	
Advanced Methods for Locating Leaks	1	
Basics of Infrastructure Access for Wastewater Operators	4	
Biomag Process	2.0	
Bloodborne Pathogens	2.0	
Case Study: Laurel WWTF	1.5	
Chemical Feed	6	
Choosing the Right Tool for a Safer Workplace	1	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 27 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Civilian Conservation Corp: Legacy to our Water/WW Infrastructure		
Confined Space SCBA	6	
Confined Space/Trenching & Shoring Safety	2.0	
Control Valve Seminar	4.0	
Crane & Sling Safety	2.0	
CUPSS Software Training	4.0	
Decision Making	2.5	
DRWA Annual Technical Conference and Exhibition	TBD	
DRWA Pump and Motor Maintenance	10	
Electrical Safety Awareness	1.0	
Employing SCADA-Your 24/7 Operator	5.0	
Ergonomics Awareness	4.0	
Ferric Chloride	2.5	
Flow Meter Testing	4.0	
FOG, Odor, Corrosion & the Collection System	4	
Fundamentals of Implementing Asset Management	6.5	
GPS for Water & Wastewater	4.0	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 28 of 45

<u>CourseName</u>	<u>Hours</u>	\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}
Hearing Conservation	2.0	
Innovative BNR Process	4.0	
Ladder Safety	1.0	
Leak Detection: Buy the Right Equipment for Your System	1.5	
Locating Your Buried Assets	3	
Machine Guards - Hand & Finger Injury Prevention	4.0	
Maintenance Workshop for Wastewater Facilities	4	
Manhole Covers & Frames	4.0	
Math Review for Operators	4.0	
Membrane Bioreactor Workshop	4.0	
Metering Pump Technology	5	
Meters O & M	4.0	
Occupational Respirator (Air Purifying)	2.0	
Occupational Respirator (SCBA)	4.0	
OSHA Rules & Jurisdiction	2	
Permit Required Confined Spaces	10	
Pipe & Cable and Magnetic Locator Training	3.5	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 29 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
PPE - Are You Ready?	3	
Pump Rebuild & Maint Workshop	4.0	
Safety	4	
Screening in Wastewater Treatment & SBR Technology	4	
Simplified Wastewater Analysis	7	
Sludge Dewatering & Drying Systems	1	
Submersible Motor Training Seminar	7	
System Inventory		
The Phenomena of Surge in Pipelines	7.0	
The Science of UV Disinfection	2.0/5.0	
Tools to Enhance Water & WW Utility Security, Resiliency & Sustainability	1	
Troubleshooting & Rebuilding Chemical Feed Pumps		
Understanding Polymer & Polymer Makedown Systems	2.0	
Use of Portable Colorimetric Testing Equipment	1.5	
UV Disinfection & UV Oxidation for Water and Drinking Water	3.0	
Variable Frequency Drives	2.0	
Wastewater Treatment O&M	1.5	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 30 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Wells: Design, Construction, Operation & Maintenance	4	
Workplace Safety for Water & WW: Focus on Procedures & Products	1.5	
Delaware Safety Council 3 Old Barley Mill Rd Wilmington DE 19807-	(302) 654-7786 www.delawaresafetycouncil.org	
Defensive Driving (Advanced)	3.0	
Defensive Driving (Basic)	6.0	
Forklift Operator Safety Training	3.5	
DNREC - DE Sediment & Stormwater Program 89 Kings Highway Dover DE 19901-	(302) 739-9	9921
Blue Card Course		
DOWRA (DE On-Site Wastewater Recycling Association PO Box 1696	(302) 436-8 www.dowra	
Dover DE 19903-		
DOWRA Annual Conference & Exhibition	10	
Envirep, Inc. 3705 Trindle Road	(707) 761-7	7884
Camp Hill PA 17011-		

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 31 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
Wastewater Pump Station Maintenance and Troubleshooting Seminar	7	
Ezpdh.com (On-Line Courses)	www.Ezpdh.c	com
DE	,	
OSHA-Construction Site Safety	1.00	
Wastewater Treatment Plants	1.0	
FEMA - Center for Domestic Preparedeness		
DE		
Personal Protective Measures for Biological Evens	8	
First State Fire Service	(302) 284-466	60
1806 Paradise Alley Way Felton DE 19943-		
Fire Extinguisher Training	1.0	
Fred Pryor Seminars - (Career Track)	www.pryor.co	om
DE		
OSHA Compliance	6	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 32 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
Lorman Education Services PO Box 509 Eua Claire WI 54703-	(715) 833-3 www.lormar	
Phase II Storm Water Regulation and Compliance	7.0	
MAPSS (Mid-Atlantic Assoc of Prof Soil Scientists) Jim Brewer 902 Locust St. Cambridge MD 21613-1710	(410) 822-1577 http://www.sawgal.umd.edu/mapss/	
Hydrogeological Investigation/Ground Water Mounding	15.0	
MAPSS misc training	10.0	
Maryland Department of the Environment 1800 Washington Boulevard Baltimore MD 21230-	(410) 537-3000 www.mde.state.md.us	
Maryland Best Availabe Technology (BAT) Installer Certification Training	3.5	
Maryland Best Available Technology Installer Certification Training	3.5	
MDE Sand Mound Installer Certification Course	6.25	
McDonald Safety Equipment, Inc. 581 Cooper Drive Newport DE 19804-		
Permit Required Confined Space Entry Training	5	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 33 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
MD Center for Environmental Training PO Box 910 La Plata MD 20646-0910	(301) 934-7500 www.mcet.org	
Inspection of On-Site Sewage Disposal Systems During Property Transfers	4.0	
Proper Inspection of On-Site Sewage Disposal Systems	4.0	
MOWPA (Maryland Onsite Wastewater Prof Assoc) PO Box 1270 Edgewater MD 21037-7270	(410) 798-0842	
MOWPA Annual Conference	10.0	
National Fire Protection Association 1 Batterymarch Park Quincy ma 02169-7471	(617) 770-3000 nfpa.org	
NFPA 70E: Electrical Safety in the Workplace	7.0	
NAWT (National Assoc of Wastewater Transporters) 26 E Exchange St, Suite 500 St Paul MN 55101-	(800) 236-6298 www.nawt.org	
Basic Troubleshooting Onsite Wastewater Treatment Course	8	
Inspection Certification Course	8	
NAWT Sanitation World Annual Conference	10.0	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 34 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
On-Site Sewage Treatment System Inspection, Training & Certification Course	12	
Property Transfer Inspections of Onsite WW Treatment Systems and Lessons Learned (Webinar)	1.5	
Vacuum Truck Technician Training Certification Program	6	
NOWRA (National On-Site Wastewater Recycling Associ 3540 Soquel Ave, Ste A Santa Cruz CA 95062-	(800) 966-2942 www.nowra.org	
NOWRA Annual Conference	TBD	
On-Line Classes.com	www.on-line-cla	asses.com
	4.0	
Improving Pumping Systems Part 1	1.0	
Improving Pumping Systems Part 2	1.0	
Orenco Systems, Inc.	www.orenco.co	m
DE		
Controls	1	
Municipal Wastewwater Collection and Treatment	7.0	
Residential Pump System Design Made Easy	1	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 35 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
Tanks, Risers, Lids and Accessories	1	
PASEO (Pennsylvania Assoc of Sewage Enforcement Off P.O. Box 7096 Mechanicsburg PA 17050-7096	(717) 761-8	8648
Alternate Peat Based System Options (#332)	5.0	
Alternative At-Grade Absorption Area (#341)	4	
Chamber Performance Research Study	1.5	
Drip Irrigation System (#321)	6.0	
Free Access Gravity Sand Filter System Option (#334)	1.5	
Maintenance Agreements	1.5	
Matching Technologies to Sites	1.5	
Steep Slope Elevated Sand Mound (#328)	1.0	
PDH Direct 1911 US Highway 301 Suite B140 Tampa FL 33619-	pdhdirect.c	com
Standards of Professionals Conduct for Civil Engineers	2	
PDH Library	www,pdhlik	brary.com
DE		

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensees.aspx

Friday, February 24, 2017

Page 36 of 45

<u>CourseName</u>	<u>Hours</u>	<u>A</u> <u>B</u> <u>C</u> <u>D</u> <u>E</u> <u>F</u> <u>H</u> □ □ □ □ □ □ □
Introduction to Small Flow Waste Treatment Systems	2	
Introduction to Wastewater Collection and Pumping	8.00	
PDH Online Courses	www.pdhon	line ora
DE	www.punon	
Basic Electrical Theory & Fundamentals	4	
Domestic Wastewater Treatment	2	
Engineering Ethics for the MD Professional Engineer	2	
Germicidal Treatment of Watewater	3	
Groundwater Investigations	3	
Water Supply/Water Storage		
Pennsylvania Department of Environmental Protection PO Box 8454	(717) 705-8 www.dep.st	
Harrisburg PA 17105-8454		
Advanced Soils	18	
Soil Profile Descriptions	6.0	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 37 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
Polytech Adult Education 823 Walnut Shade Road Woodise DE 19980-	(302) 697-4 www.polyte	4545 echworks.com
Basic Electricity for Wastewater & Water Operators	6	
POWRA (Pennsylvania On-Site Wastewater Recycling A 1444 Phoenixville Pike West Chester PA 19380-		
POWRA Onlot Alternate Technologies	4.0	
Professional Development Options 1818 Bagwell Circle Rock Hill SC 29732-	(866) 265-4 www.pdhco	4047 ourses.com
Ethics	3	
Movement and Fate of Contaminants in Surface Water, Groundwater and Soils	12	
Wetlands and 404 Permitting	6	
PSMA (Pennsylvania Septage Management Assoc) P.O. Box 7096 Mechanicsburg PA 17050-7096	(717) 763-7	7762
Confined Space Safety Training	6.25	
Inspecting Onsite Wastewater Treatment Systems	16.25	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 38 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
PSMA Annual Conference & Trade Show	10.0	
PSMA Onsite Wastewater Treatment System Inspection Training Program	16	
Red Vector (On-Line Courses) 4890 W. Kennedy Blvd. Suite 740 Tampa FL 33609-	RedVector.	com
Advanced Industrial WW Treatment	3	
Advanced WW Treatment Plant Design	3	
Basic Civil Engineering - Sewage Treatment	1.0	
Basic Civil Engineering - Sewers & Sewerage	1	
Basic Civil Engineering - Sewers & Sewerage 2	1	
Basics of Industrial Wastewater Treatment	1	
Basics of Soil Resources 1: Classifiation, Mapping & Databases	2	
Basics of Water Resources: Groundwater Hydrology	1	
Bldg Systems for Designers - Water Supply, Disttibution & Waste Systems	2	
Clean Energy: Recycled Energy Technologies		
Concrete 1: Evaluation and Causes of Damage	1.0	
Concrete 3: Methods, Materials and Maintenance	2.0	
Please note that this list includes all courses that have been reviewed by the On-Site Syste Some courses may no longer be available; please contact the course sponsor for availablei		since the Regulation revision on March 11, 2002.

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 39 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Conrete 2: Repair Planning and Preparation	1.0	
EPA Onsite WW Treatment: Processes & Systems	4	
EPA Onsite WW Treatment: Systems Mgmt	4	
Gravity Sewer Design	1	
Membrane Filtration - Part 1: Process, Products & Materials	1	
Membrane Filtration - Part 3: Plant Functions & Pretreatment Methods	1	
Membrane Filtration Part 2: System Components & Pumps	1	
Membrane Filtration Part 4: Cleaning, Measuring, Controls & Pumps	1	
Onsite Wastewater Treatment - Additives & Softners	1	
Onsite Wastewater Treatment - Design Basics	4.00	
Onsite Wastewater Treatment - Disinfection	1.00	
Onsite Wastewater Treatment - Dosing	1.00	
Onsite Wastewater Treatment - Flows & Quality	4.00	
Onsite Wastewater Treatment - Intermittent Sand Filters	1.0	
Onsite Wastewater Treatment - Nutrient Removal	1	
Onsite Wastewater Treatment - Recircluating Sand Filters	2.0	
Onsite Wastewater Treatment - Septic Tanks	2.0	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 40 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Onsite Wastewater Treatment - Treatment System Selection	3.00	
RLI Different Works - DPLE Academy	www.rlidesi	ignpros.com/DPLE-academy.asp
DE		
DPLE Academy (Webinar)	1	
Rutgers University 83 Somerset St New Brunswick NJ 08901-1281	(732) 932-5 www.rutger	
Advanced Electrical Print Reading	TBD	
Fundamentals of Generators and Transformers	12	
Geology, Hydrogeology, and Chemistry	6	
Identifying and Quantifying Extraneous Flows in Sanitary Sewers	24	
Instrumentation for Water and Wastewater Operations	6	
Motor Control Circuits: Wiring to Troubleshooting	18	
On-site Wastewater Disposal Systems: Regulation, Design & Maintenance	12	
Operation & Maintenance of Pumps	18	
Operation & Maintenance of Wastewater Collection Systems	TBD	
Soils & Site Evaluation for Septic Disposal Systems	18	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 41 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \underline{B} \underline{C} \underline{D} \underline{E} \underline{F} \underline{H}$
Variable Frequency Drives	6	
Wastewater Pumping Stations: Design, Operation and Maintenance	6	
S.T.A.R.T. Rescue Training Inc PO Box 1574 Southampton PA 18966-	(877) 357-8637 www.startrescu	
Trench Rescue Awareness	3	
Trench Rescue Level I "Operations"	16	
Safety Priority	(877) 723-3806 www.safetypric	
DE		
Confined Space Entry Operations Training	3	
SCAOR (Sussex County Association of Realtors) 23407 Park Avenue Georgetown DE 19947-	(302) 855-2300)
Business Planning	3	
Title Search	3	
Smith System	(800) 777-7648 www.drivediffe	
Arlington TX 76006-		

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 42 of 45

<u>CourseName</u>	Hours	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
Smith System Driver Direct (Defensive Driving Course)	8	
Stam Interactive Solutions	www stam	interactive.com
DE	www.stam	interactive.com
Basic Electricty Online Training Course (Stam Interactive) www.staminteractive.com	6	
Steve Rohm 500 Deep Grass Lane Greenwood DE 19950-	(302) 258-	7523
Class F License Preparation Class	4	
Septic Tank Installation Practice & Standards for Delaware	2.00	
SunCam (On-Line Courses) 1404 Creeks Edge Court Fleming Island FL 32003-7410	(800) 735- www.sunca	
Ethics for US Engineers	1	
Introduction to GIS and GPS for Engineers and Surveyors	4.0	
Septic System Design	4.0	
Soil Permeability Testing	4	

This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 43 of 45

<u>CourseName</u>	<u>Hours</u>	$\underline{A} \ \underline{B} \ \underline{C} \ \underline{D} \ \underline{E} \ \underline{F} \ \underline{H}$
TekSolv		
DE		
Hazrardous Waste Operations & Emergency Response: 8 hr Site Worker Refresher (OSHA 29CPR 1910.120)	8	
UD DE Nutrient Management	(302) 698-4500	
2320 S. DuPont Hwy	http://ag.udel.ed	u/extension/NutriManage/
Dover DE 19901-		
DE Nutrient Management Nutrient Consultant Certification	12.00	
VA Tech Dept of Crop & Soil Env Sciences	(540) 231-5741	
238 Smyth Hall - 0404		
Blacksburg VA 24061-		
/APSS - An Introduction to Basic Soil Science	16.00	
VOWRA (Virginia On-Site Wastwater Recycling Assoc)	(540) 377-9830	
204 Tadpole Lane	www.vowra.org	
Greenville VA 24440-		
/OWRA Conference	tbd	
Western Electrical Contractors Association, Inc.		
	www.goweca.co	m
DE		
Electrical Fundamental & Basic Electricity Online	8	

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Some courses may no longer be available; please contact the course sponsor for availability.

Friday, February 24, 2017

Page 44 of 45

<u>CourseName</u> <u>Hours</u>	<u>A</u>	<u>B</u>	<u>C</u>	\underline{D}	<u>E</u>	$oldsymbol{F}$	\underline{H}	ŗ
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This list is updated online monthly at: http://www.dnrec.delaware.gov/wr/Information/GWDInfo/Pages/GroundWaterDischargesLicensesandLicensees.aspx

Friday, February 24, 2017

Page 45 of 45